

AMENDMENTS TO THE CLAIMS:

Applicant respectfully requests that this listing of claims replace the prior versions, and listings, of claims in the application.

1. (Currently amended) An imaging device comprising

at least two image capturing apparatus, each apparatus including a respective lens and each apparatus being arranged to produce an image via its own respective lens, wherein at least one first apparatus comprises a color filter matrix of red and blue elements, and at least one second apparatus comprises a green color filter and an image sensor having pixels that are smaller than pixels of an image sensor of the first apparatus,

a controller arranged to combine the images produced with the apparatus with each other to produce an image with an enhanced image quality.

2. (Original) The device of claim 1, further comprising a controller arranged to produce a single color image from the image taken with the second apparatus.

3. (Original) The device of claim 1, wherein the second apparatus comprises a color filter matrix of green elements.

4. (Currently amended) An imaging device comprising

a lenslet array with at least three image capturing apparatus, each apparatus including a single lens and each apparatus being arranged to produce an image, wherein a first apparatus comprises a red color filter, a second apparatus comprises a blue color filter, and a third apparatus comprises a green color filter, each apparatus comprising an image sensor, wherein pixels of the image sensor of the third apparatus are smaller than pixels of the image sensors of the first and second apparatus, and

a controller arranged to combine the images produced with the apparatus with each other to produce an image with an enhanced image quality.

5. (Currently amended) The device of claim 4, wherein pixels of the image sensor of the third apparatus ~~[[is]]~~are at least ~~twice~~half as large as pixels of the image sensors of the first and second apparatus.

6. (Currently amended) An imaging device comprising

a lenslet array with at least three image capturing apparatus, each apparatus including a single lens and each apparatus being arranged to produce an image, wherein a first apparatus comprises a red color filter, a second apparatus comprises a blue color filter, and a third apparatus comprises a green color filter, each apparatus comprising an image sensor of the same size consisting of pixels, wherein the number of pixels in the image sensor of the third apparatus is larger than the number of pixels in the image sensors of the first and second apparatus, and

a controller arranged to combine the images produced with the apparatus with each other to produce an image with an enhanced image quality.

7. (Original) The device of claim 6, wherein the number of pixels in the image sensor of the third apparatus is at least twice as large as the number of pixels in the image sensors of the first and second apparatus.

8. (Currently amended) A method of creating an image file in an imaging device, comprising

producing images with at least two image capturing apparatus each image capturing apparatus including a respective lens and each apparatus producing a respective image via its own respective lens, wherein at least one first apparatus comprises a color filter matrix of red and blue elements and at least one second apparatus comprises a green color filter and an image sensor including pixels that are smaller than pixels of an image sensor of the first apparatus.

9. (Original) The method of claim 8, further comprising: combining the images produced with the apparatus with each other to produce an image with an enhanced image quality.

10. (Original) The method of claim 8, further comprising: producing a single color image from the image taken with the second apparatus.

11. (Currently amended) A method of creating an image file in an imaging device comprising a lenslet array with at least three image capturing apparatus wherein each apparatus includes a single lens, the method comprising

producing a first image with a given resolution with a first apparatus comprising a red color filter,

producing a second image with a given resolution with a second apparatus comprising a blue color filter,

producing a third image with a given resolution with a third apparatus comprising a green color filter, wherein the resolution of the third apparatus is larger than the resolution of the first and second apparatus due to the third apparatus having an image sensor with smaller pixels than pixels of the image sensors of the first and second apparatus, and

combining the images produced with the apparatus with each other to produce an image with enhanced image quality.